

32-7527: Recombinant Human Chitinase 3-Like Protein 2/CHI3L2 (C-6His)

Gene : CHI3L2
Gene ID : 1117
Uniprot ID : Q15782

Description

Source: Human Cells.
MW :41.94kD.

Recombinant Human Chitinase 3-Like Protein 2 is produced by our Mammalian expression system and the target gene encoding Tyr27-Leu390 is expressed with a 6His tag at the C-terminus. Chitinase 3-Like Protein 2 (CHI3L2) is a 39 kDa secreted glycoprotein which belongs to the glycosyl hydrolase 18 family and the most closely related to human cartilage glycoprotein 39, which promotes the growth of human synovial cells as well as skin and fetal lung fibroblasts. Highest expression of CHI3L2 is in chondrocytes, followed by synoviocytes, lung and heart. It is not detected in spleen, pancreas, and liver. CHI3L2 may also be expressed in developing brain and placenta. Increased levels of CHI3L2 have been demonstrated in synovial fluids of patients with rheumatoid or osteoarthritis as well as in some other pathologies and in malignant tumors, particularly in glioblastomas. CHI3L2 may bind glycan structure with high affinity, but not heparin. It has no chitotriosidase activity, but is likely to bind some type of glycan.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : YKLVCFYFTNWSQDRQEPGKFTPENIDPFLCSHLIYFASIENNKVVIKDKSEVMYQITNSLTKTKNPKLKILLSIGGY LFGSKGFHPMVDSSSTRLEFINSIILFLRNHNFDGLDVSWIYDPQKENTHFTVLIHELAEAFQKDFTKSTKERLLL VGVSAGRQMIDNSYQVEKLAKDLDFINLLSFDHGSWEKPLITGHNSPLSKGWQDRGPSSYINVEYAVGYWIH KGMPSEKVVMIPTYGHSFTLASAETTVGAPASGPGAAGPITESSGFLAYYEICQFLKGAKITRLQDQVYPYAVK GNQWVGYYDDVKMETKVQFLKLNLLGGAMIWSIDMDDFTGKSCNQGPYPLVQAVKRSLGSLVDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.